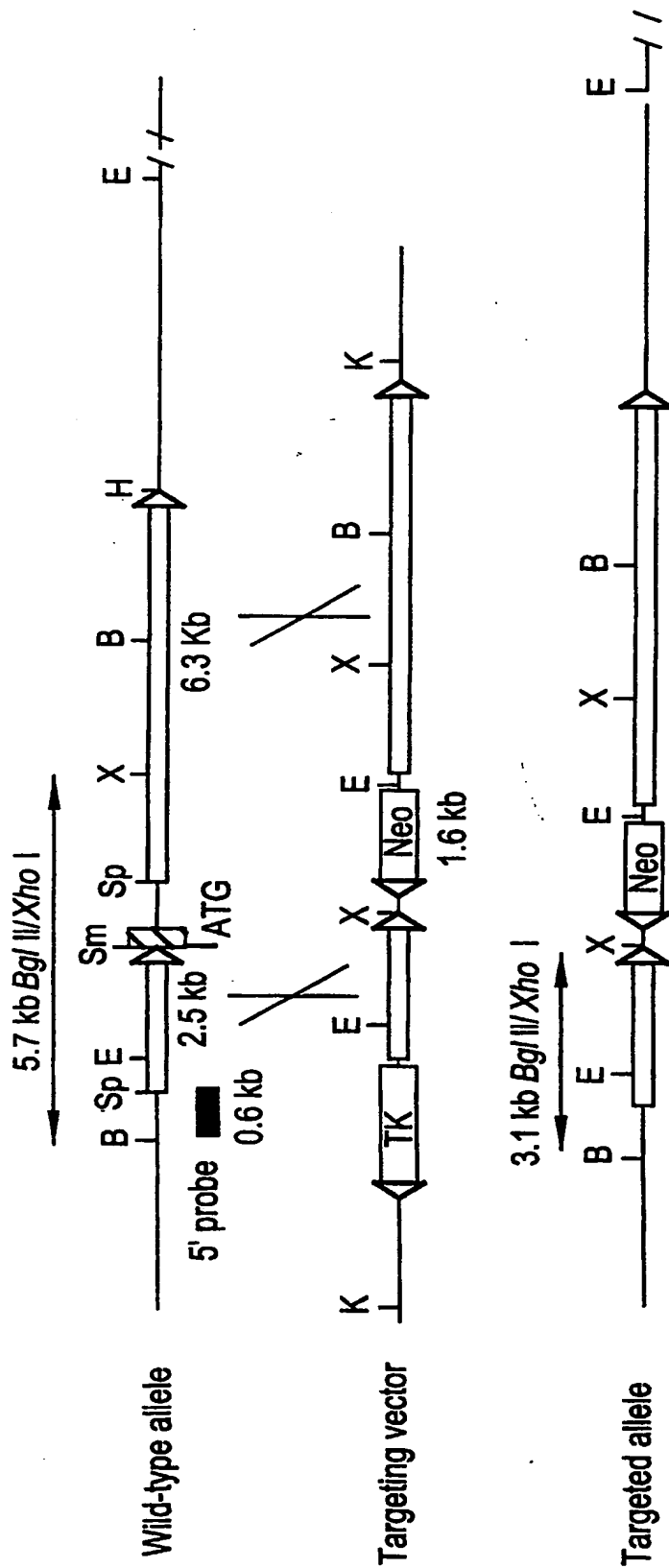


1/32

FIG. 1A



2/32

FIG. 1B

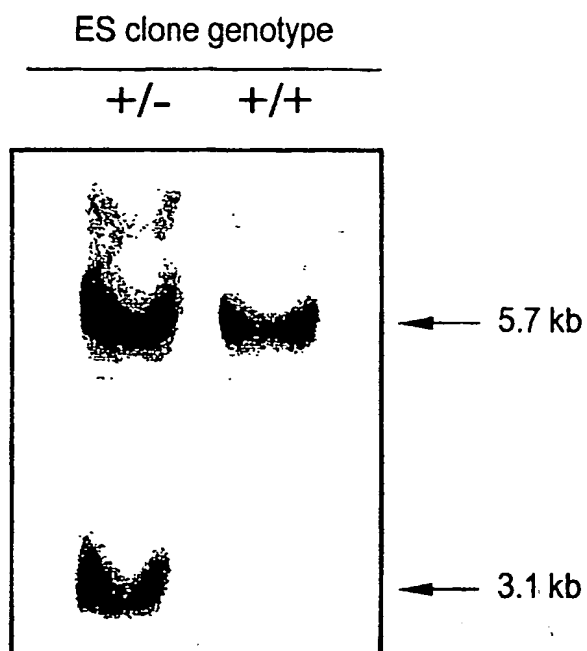
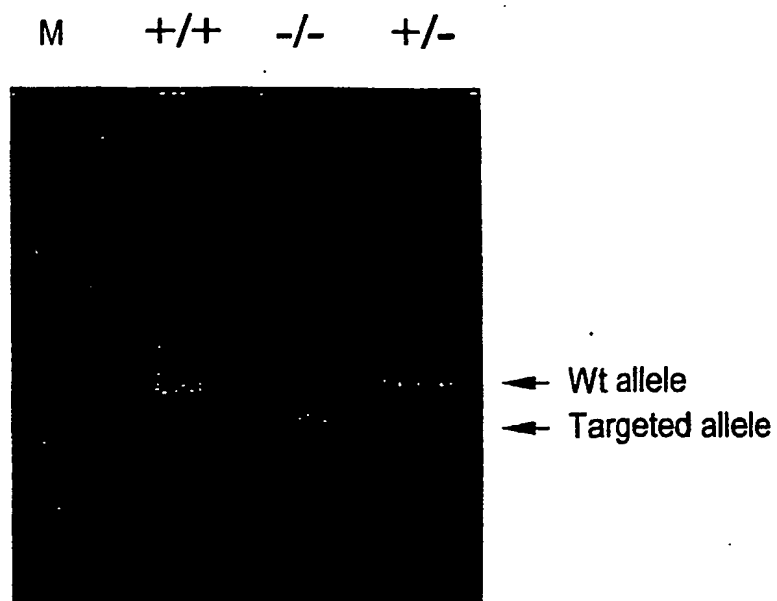


FIG. 1C



3/32

FIG. 1D

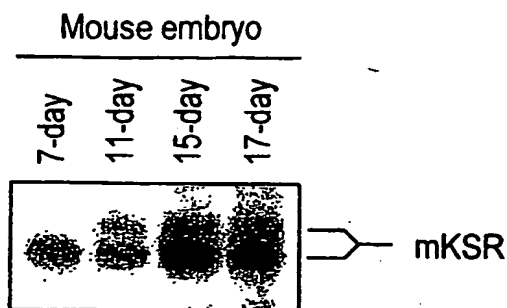


FIG. 1E

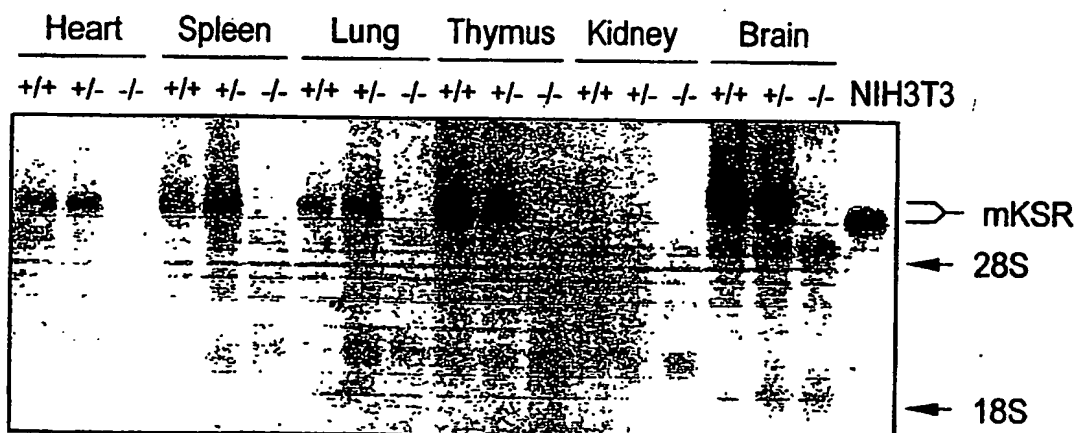
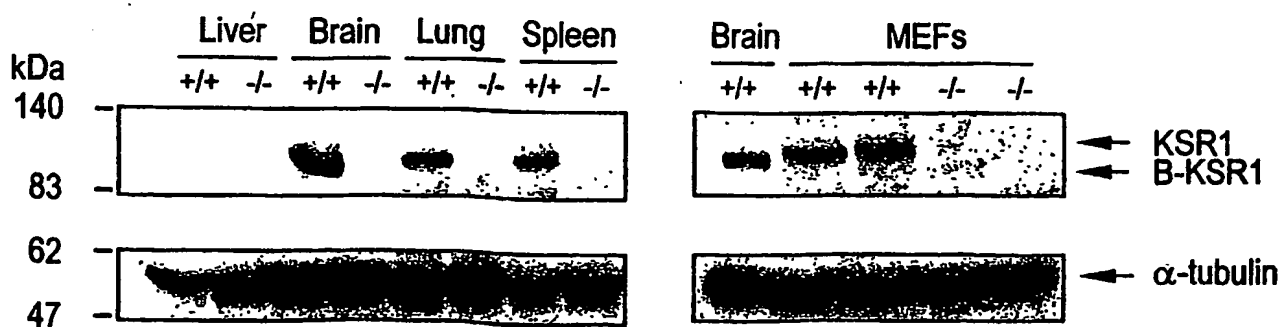


FIG. 1F



4/32

FIG. 2A



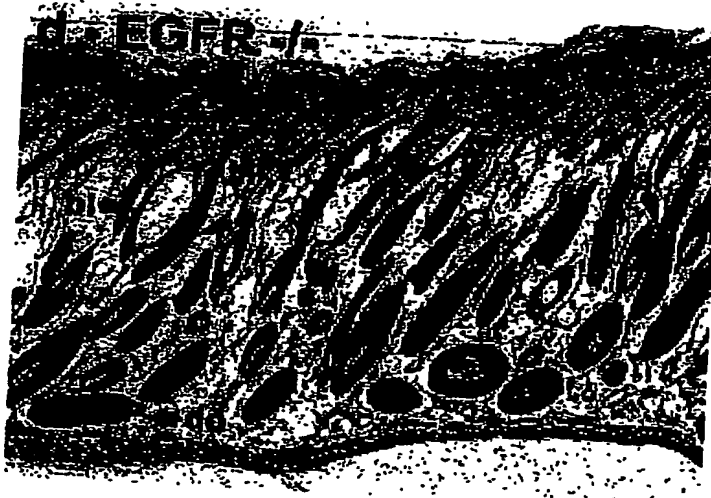
FIG. 2B



FIG. 2C

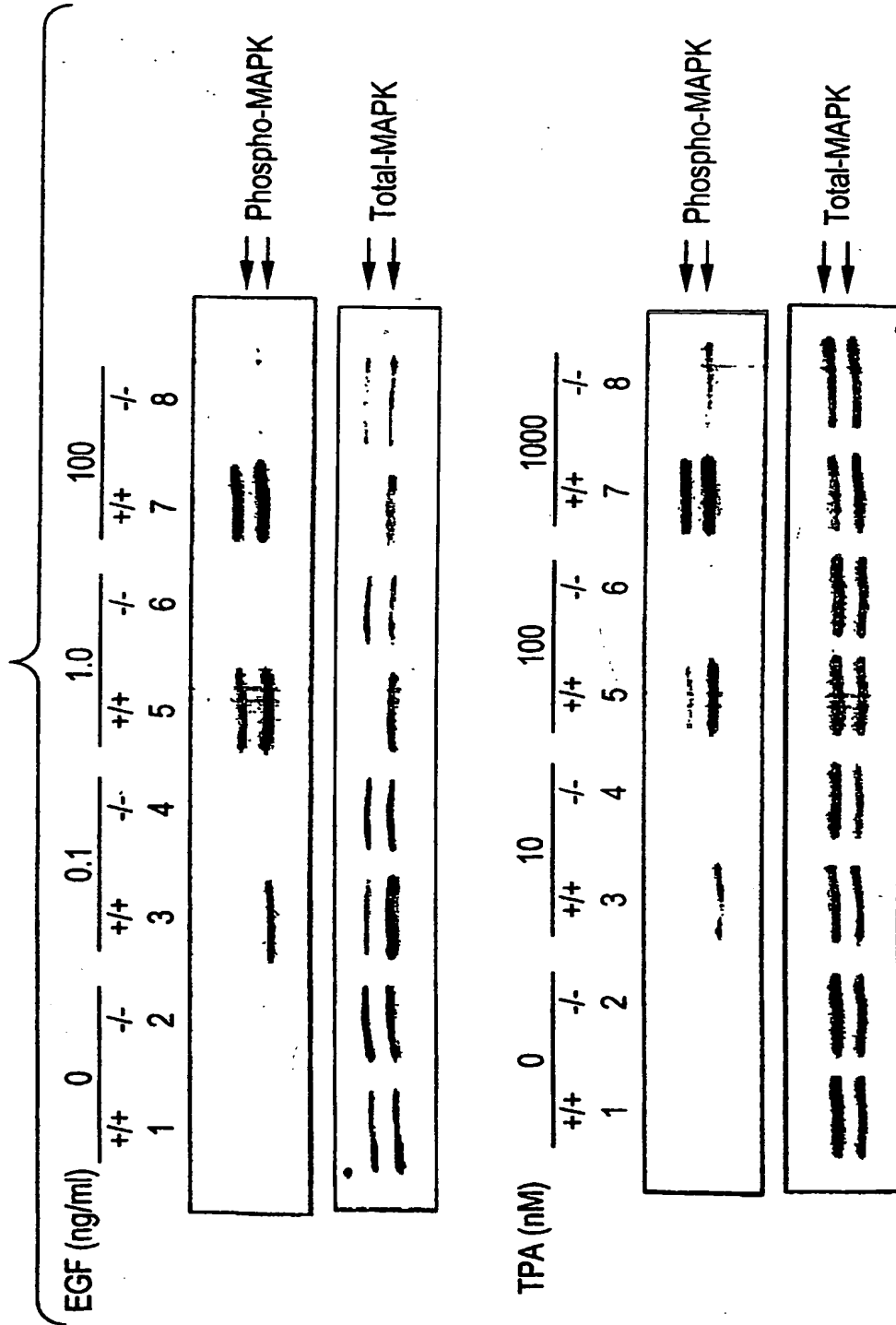


FIG. 2D



5/32

FIG. 3A



6/32

FIG. 3B

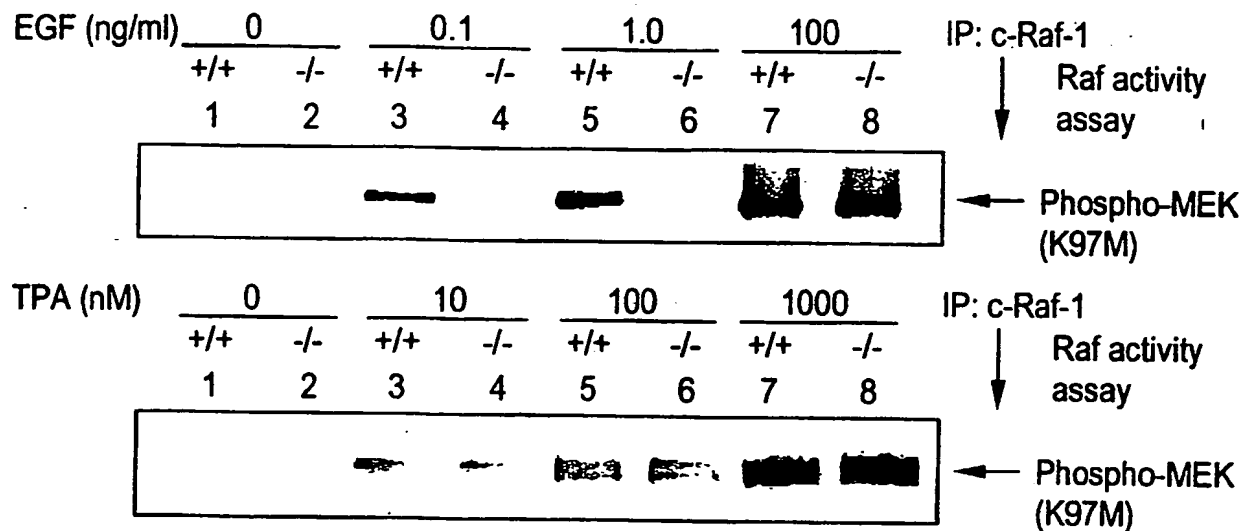
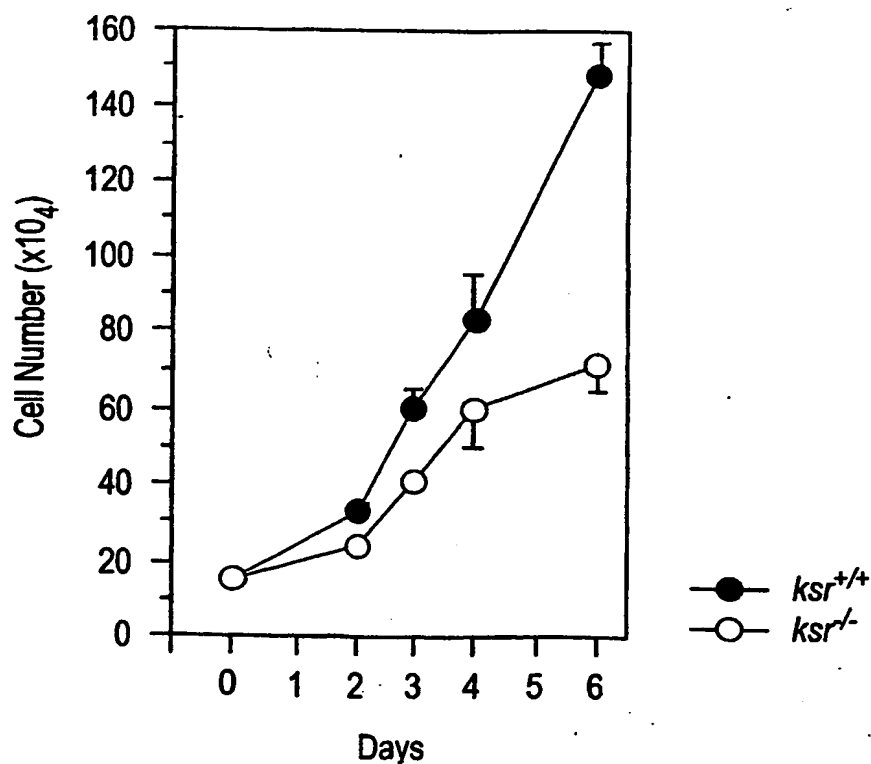


FIG. 3C



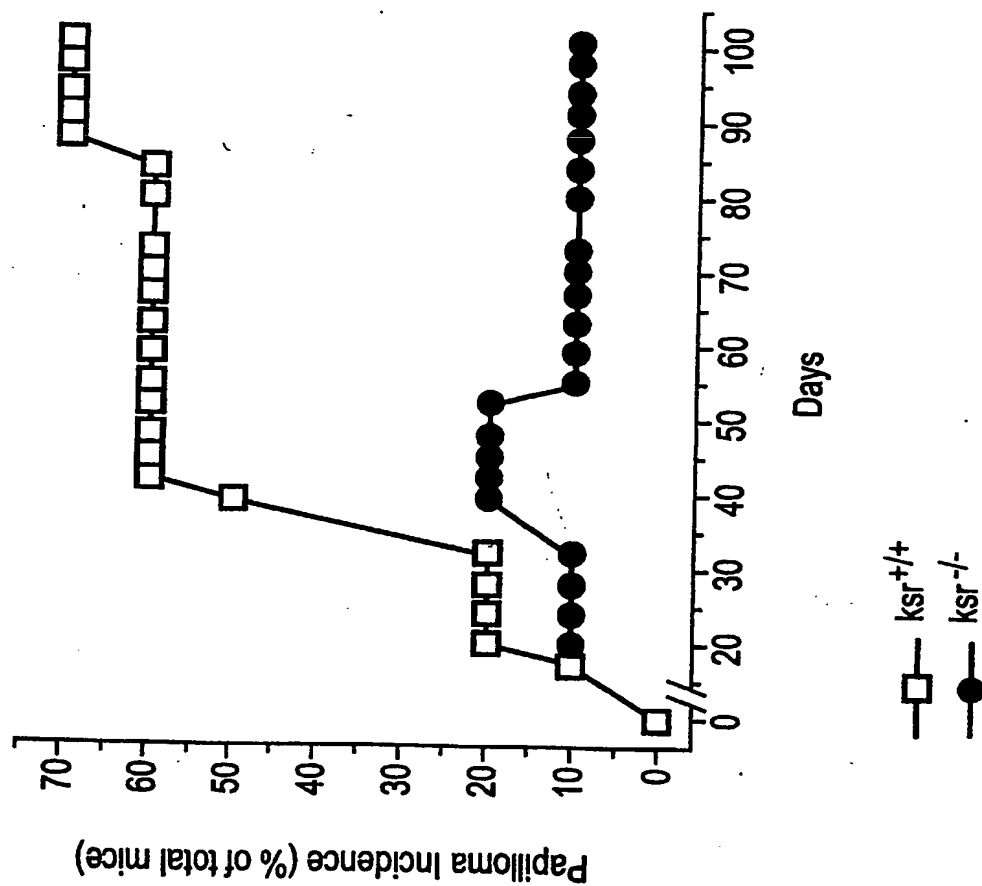
7/32

FIG. 4A



8/32

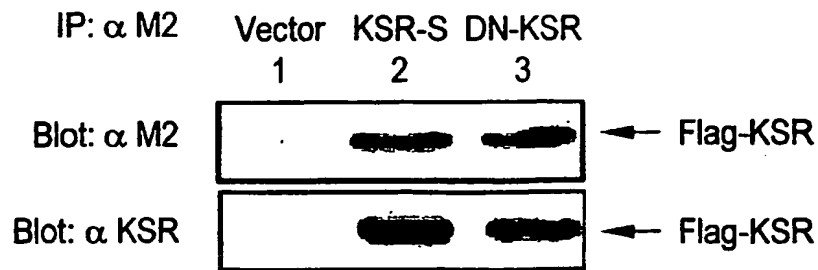
FIG. 4B



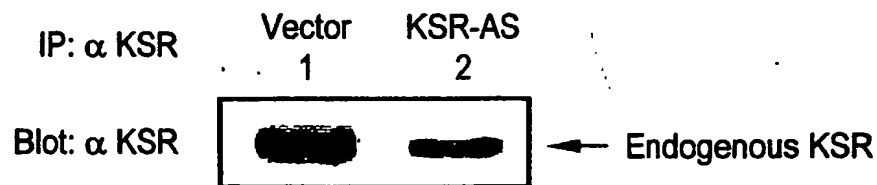


9/32

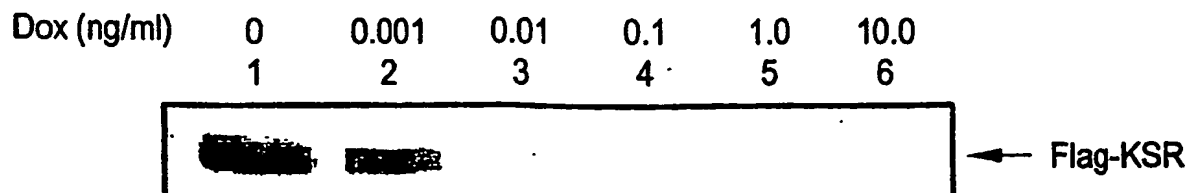
**FIG. 5A**



**FIG. 5B**



**FIG. 5C**



10/32

FIG. 5D

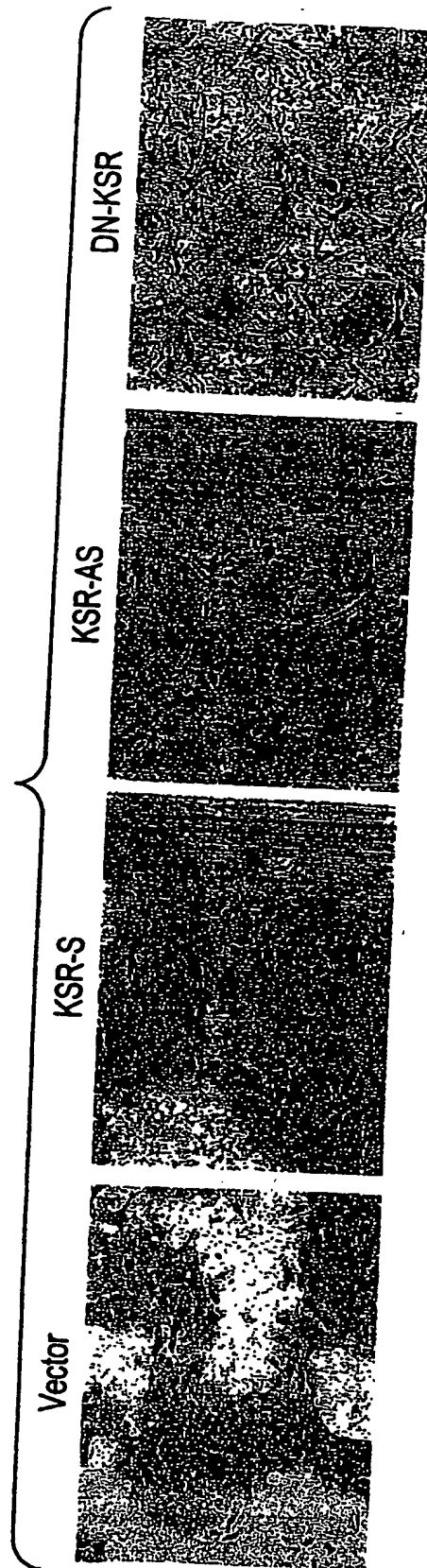
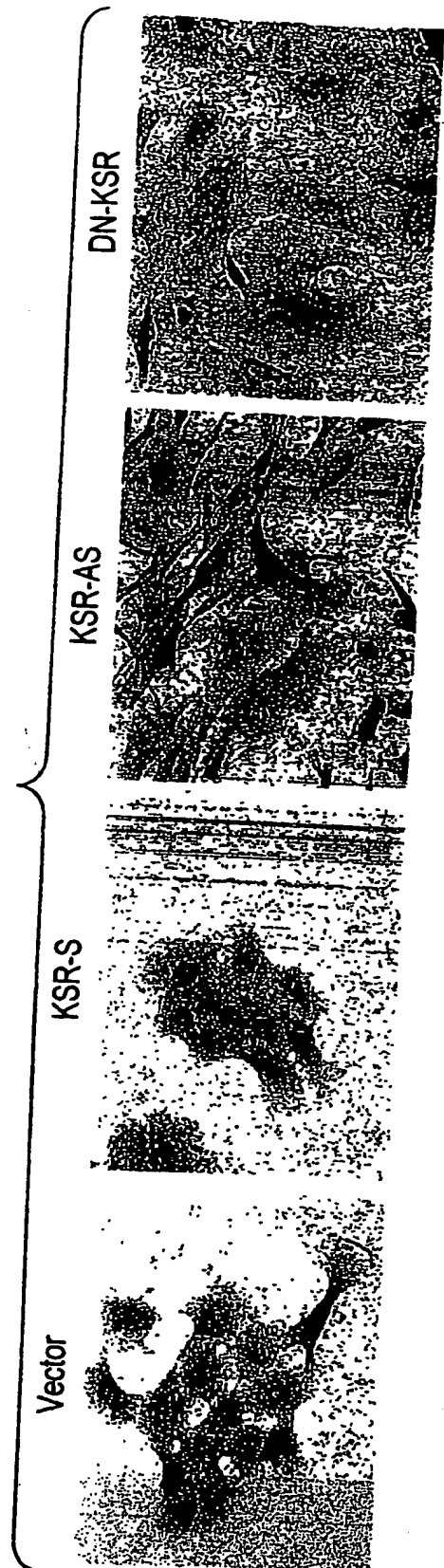
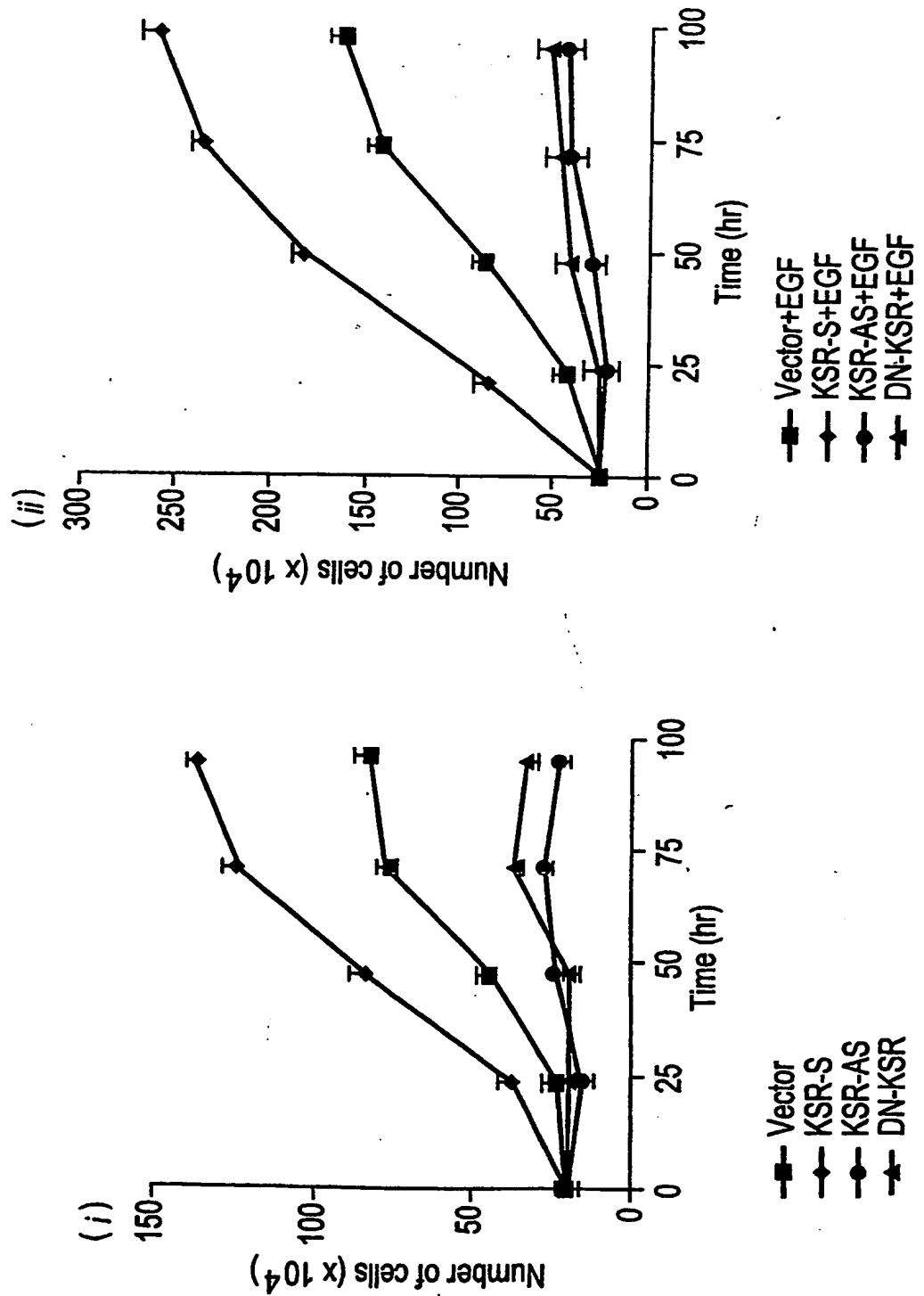


FIG. 5E



11/32

FIG. 6A



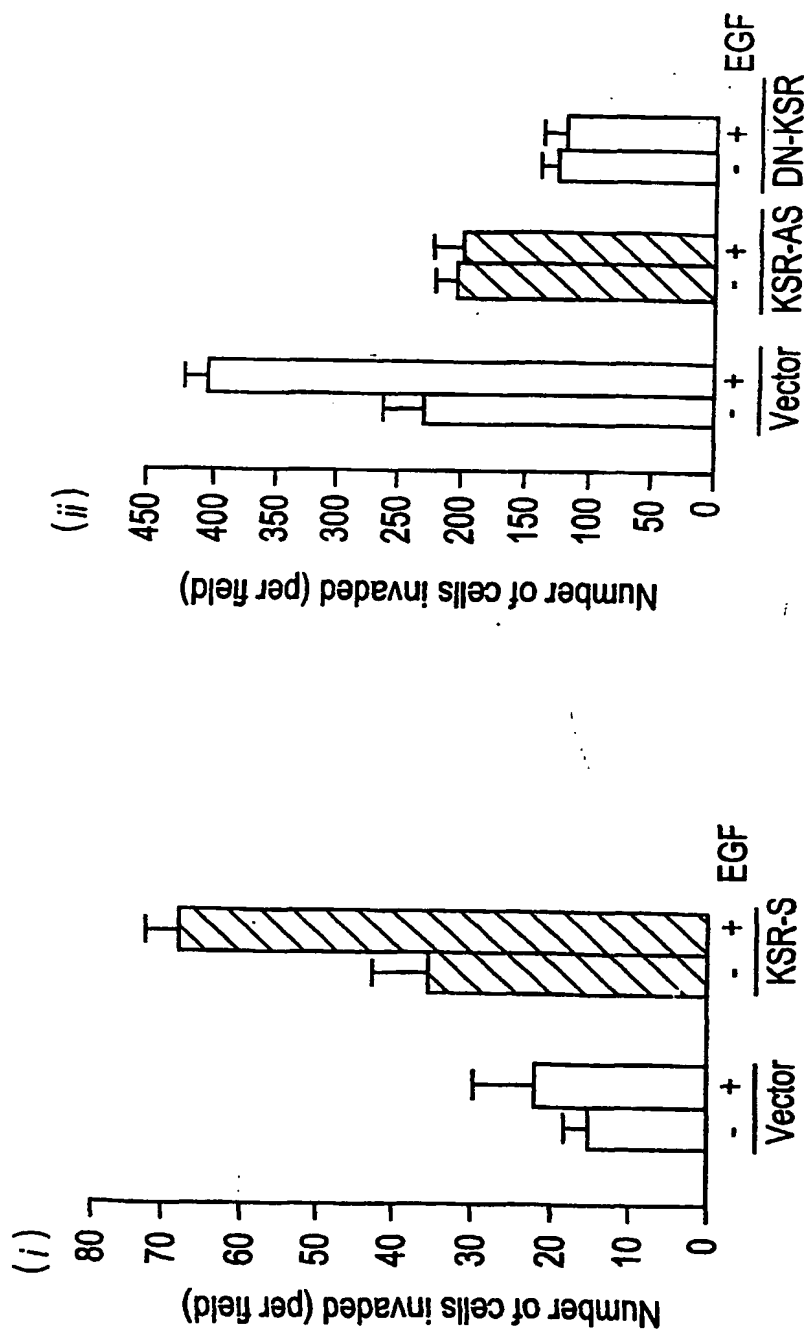
12/32

FIG. 6B

|        | % G1 | % S  | % G2 |
|--------|------|------|------|
| Vector | 40.1 | 45.1 | 14.8 |
| KSR-S  | 25.2 | 60.8 | 14.0 |
| KSR-AS | 16.4 | 23.2 | 60.4 |
| DN-KSR | 24.2 | 24.8 | 51.0 |

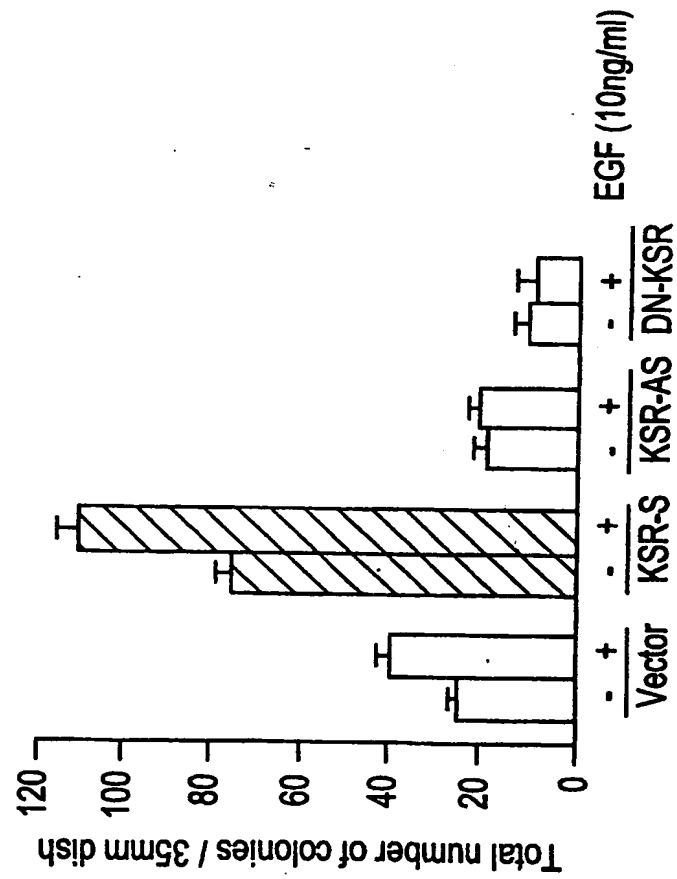
13/32

FIG. 6C



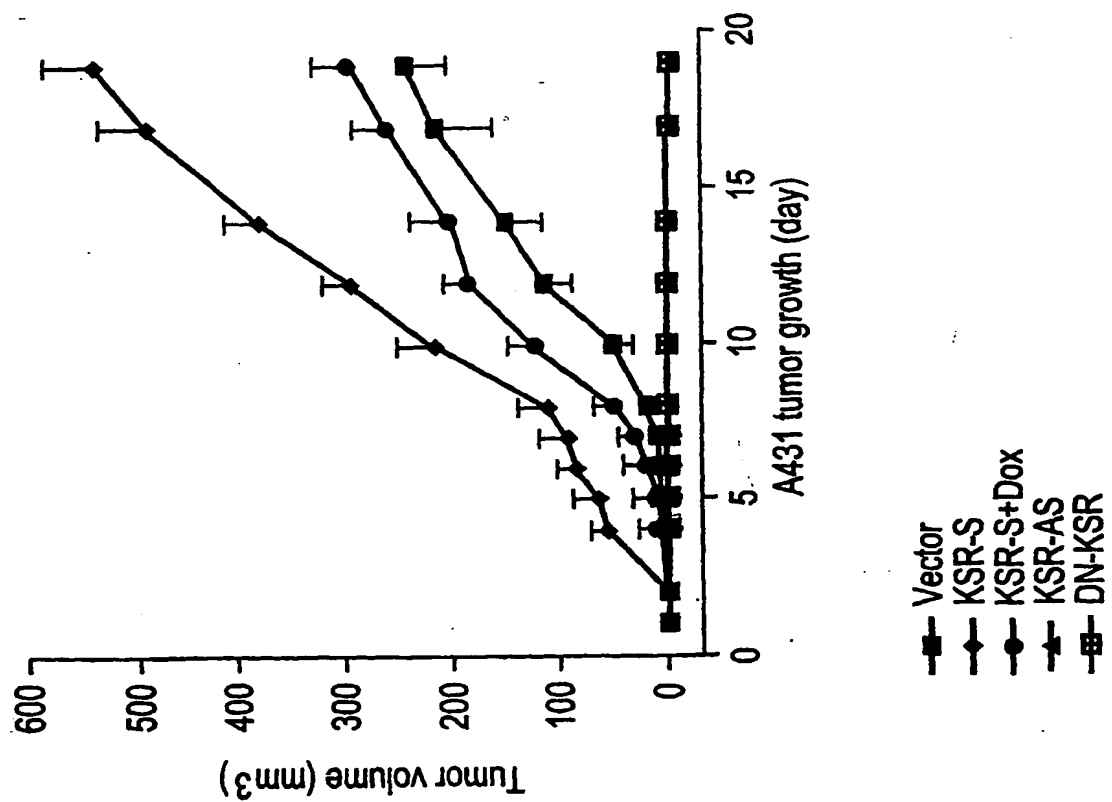
14/32

FIG. 6D



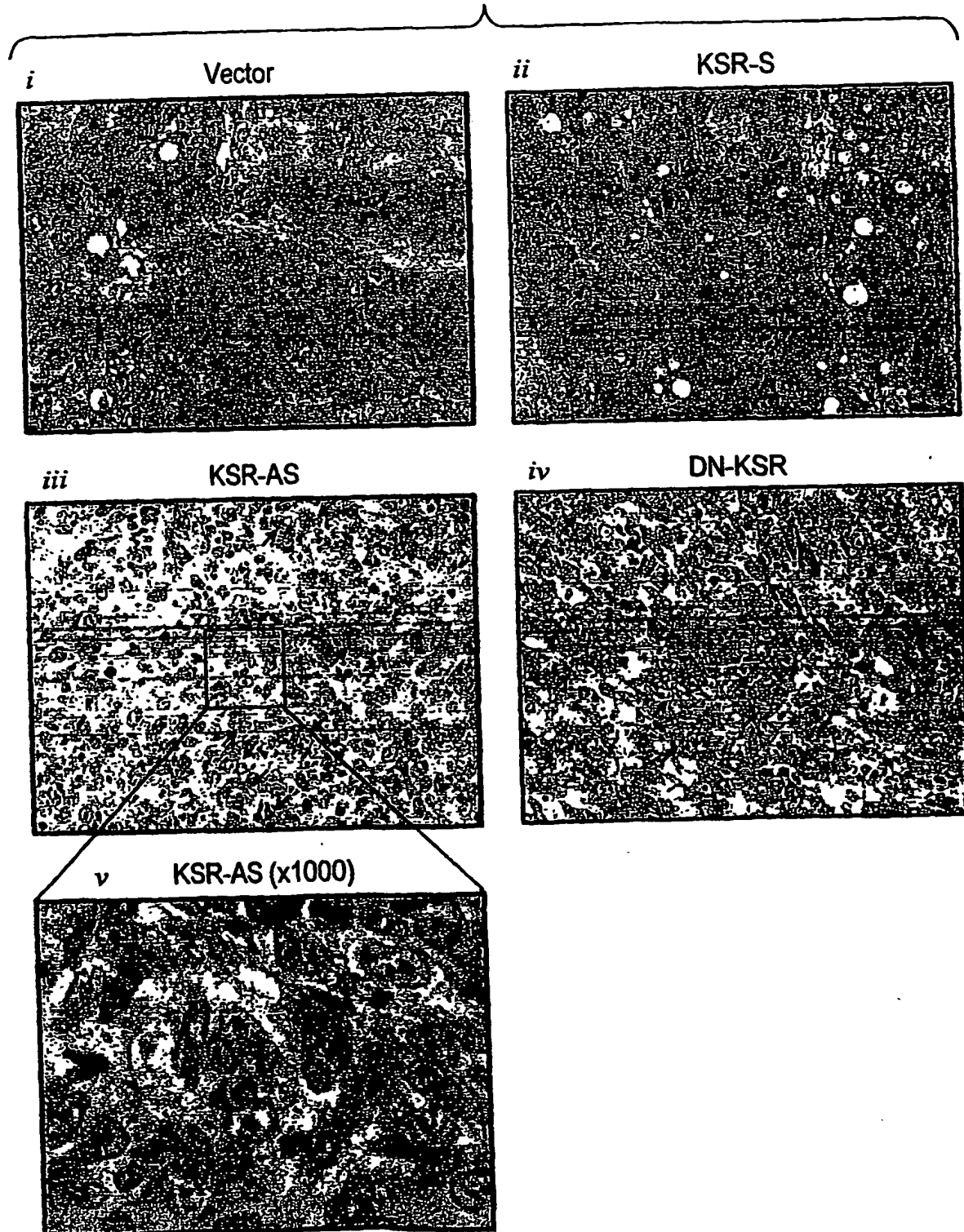
15/32

FIG. 7A



16/32

FIG. 7B





17/32

FIG. 8A

Control ODN



KSR-AS ODN



NT



18/32

FIG. 8C

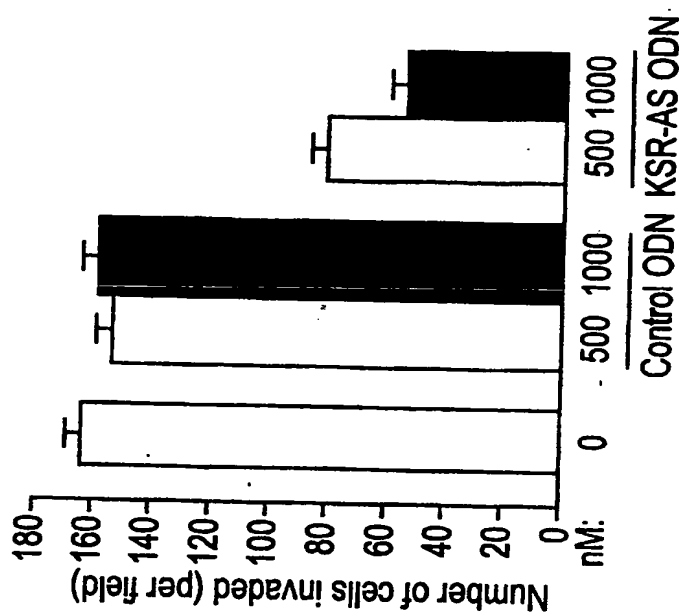
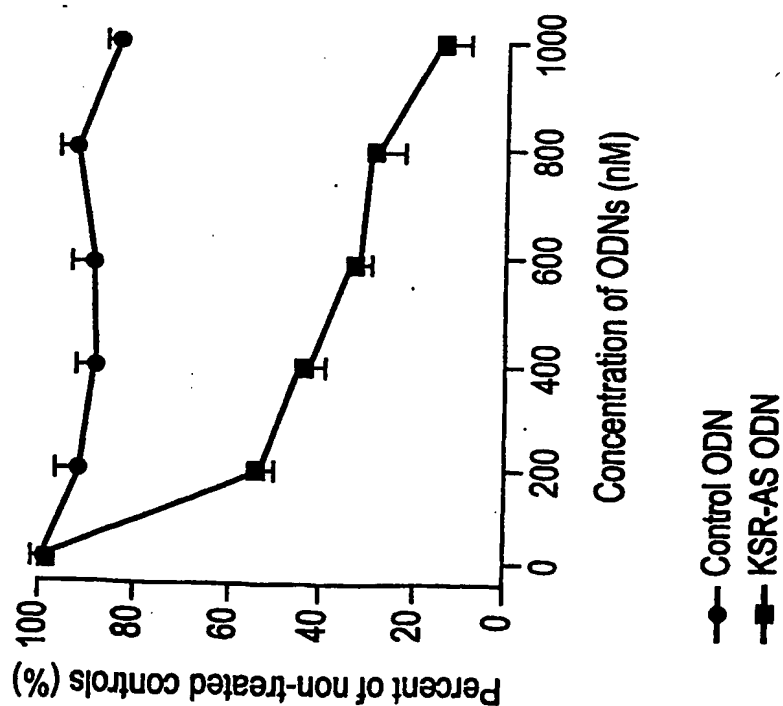
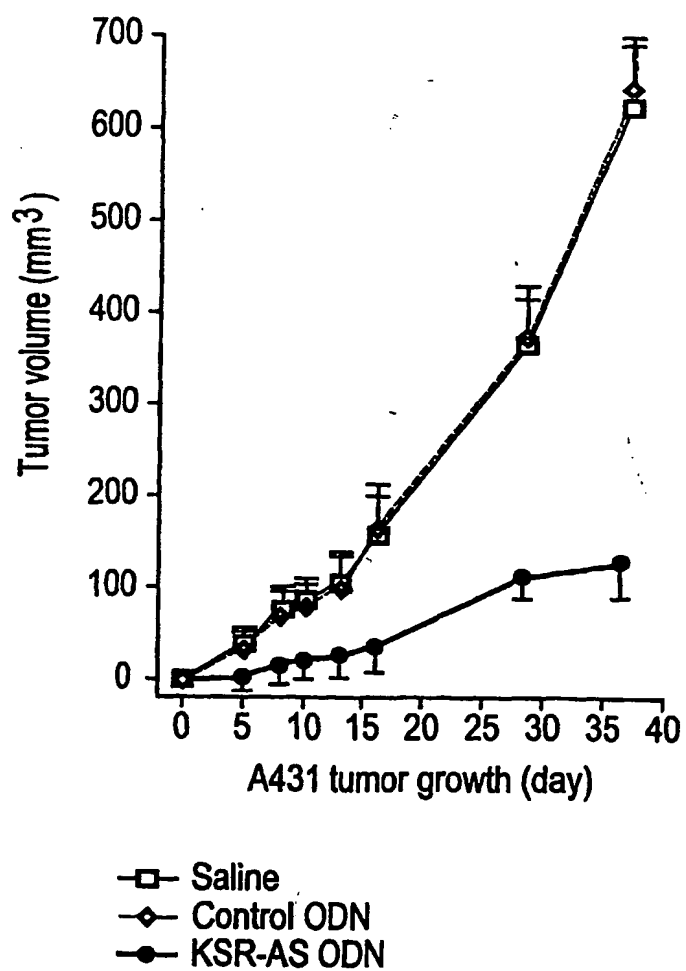


FIG. 8B



19/32

FIG. 8D



20/32

Fig. 9A

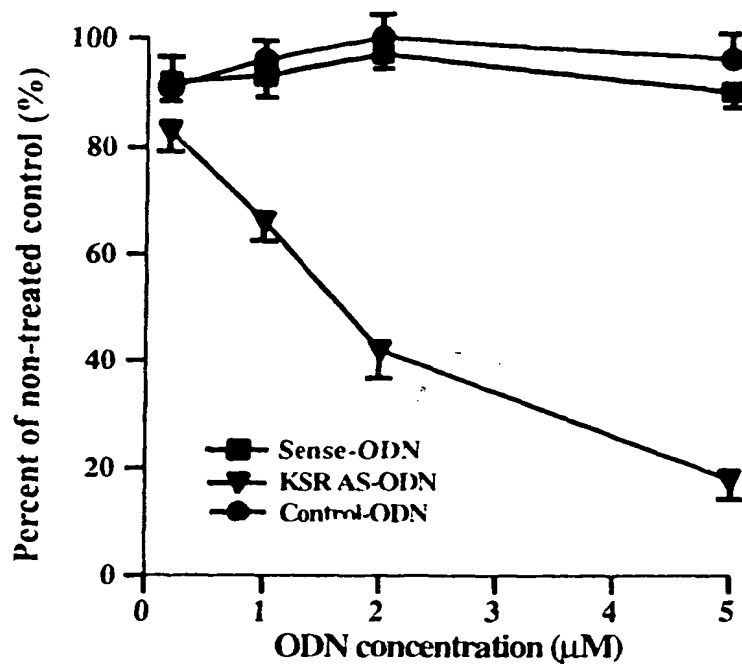
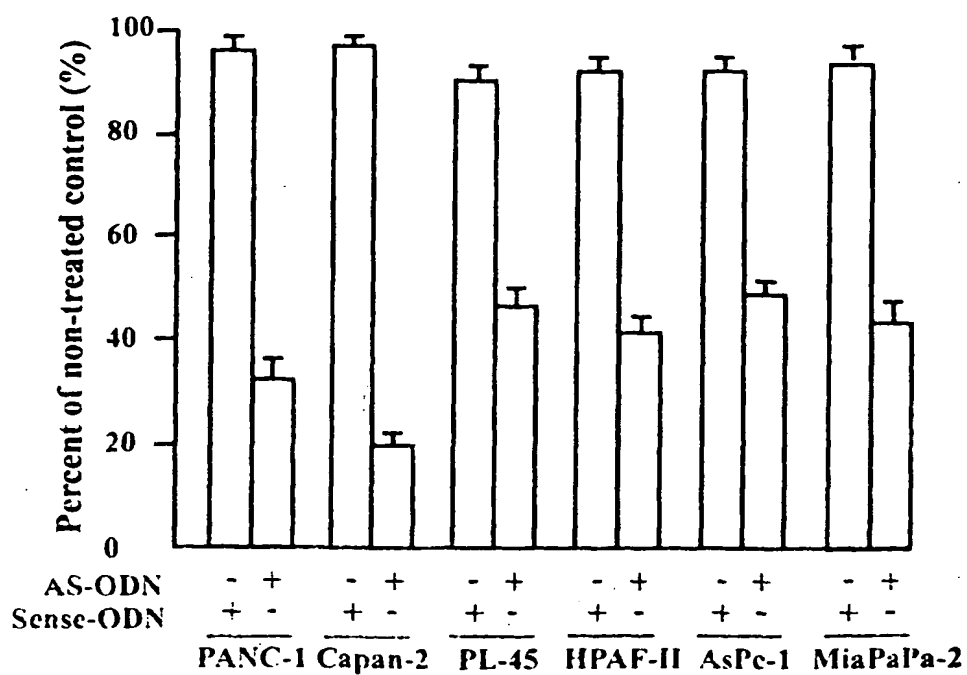


Fig. 9B



21/32

FIG. 9C

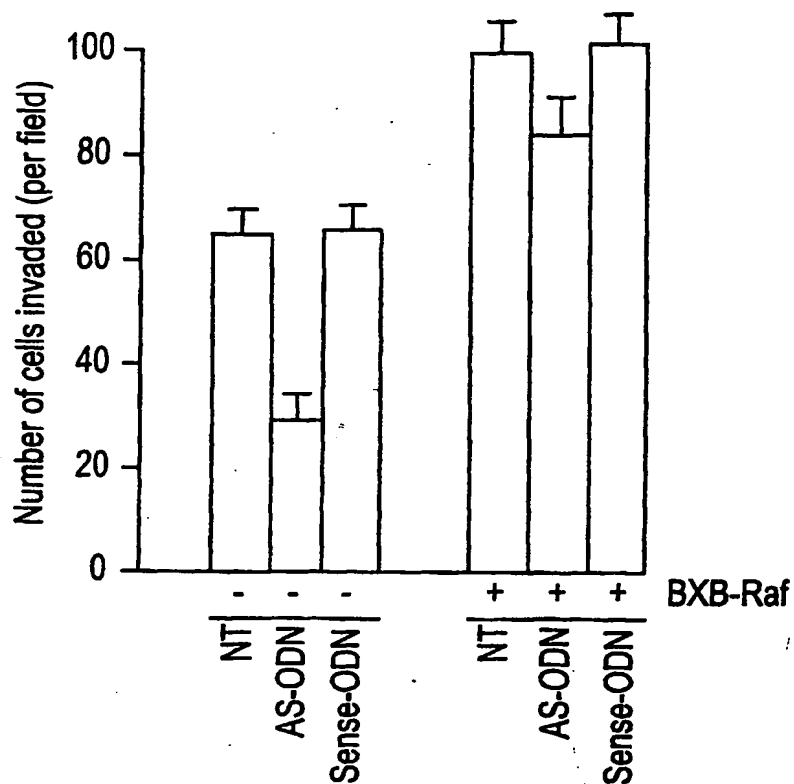
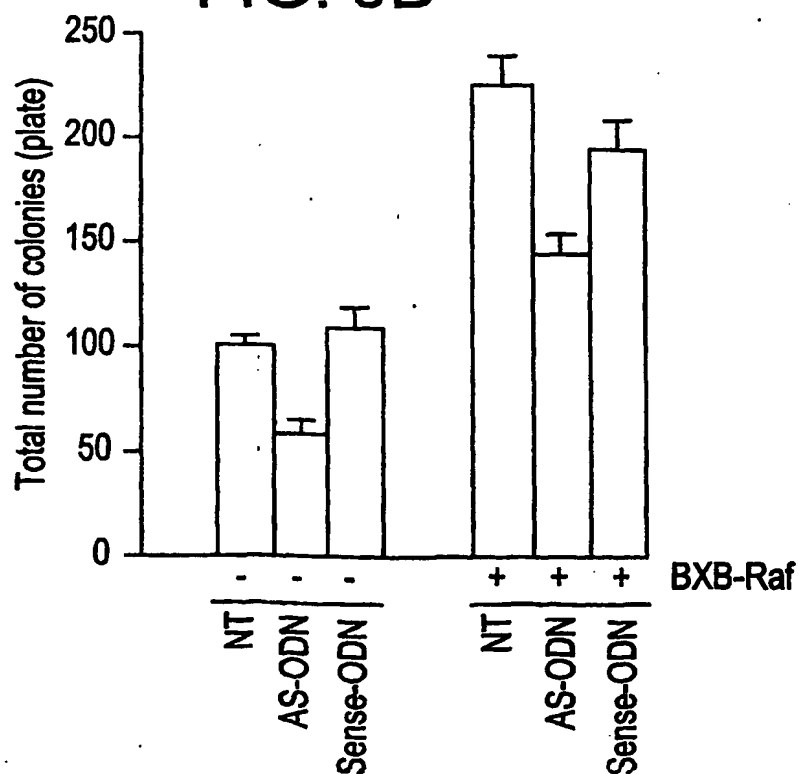


FIG. 9D



22/32

FIG. 9E

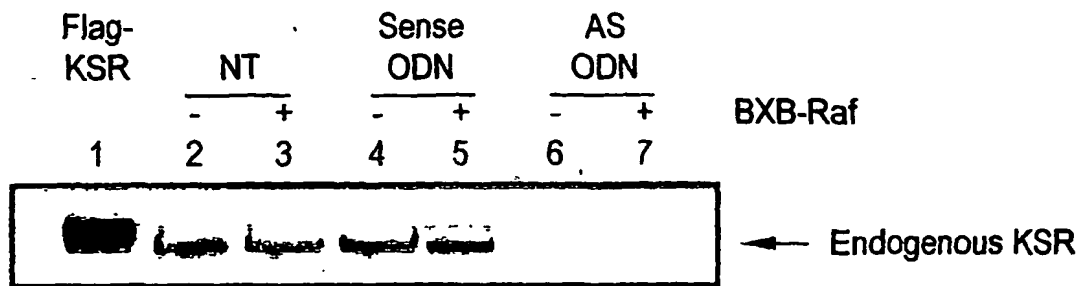
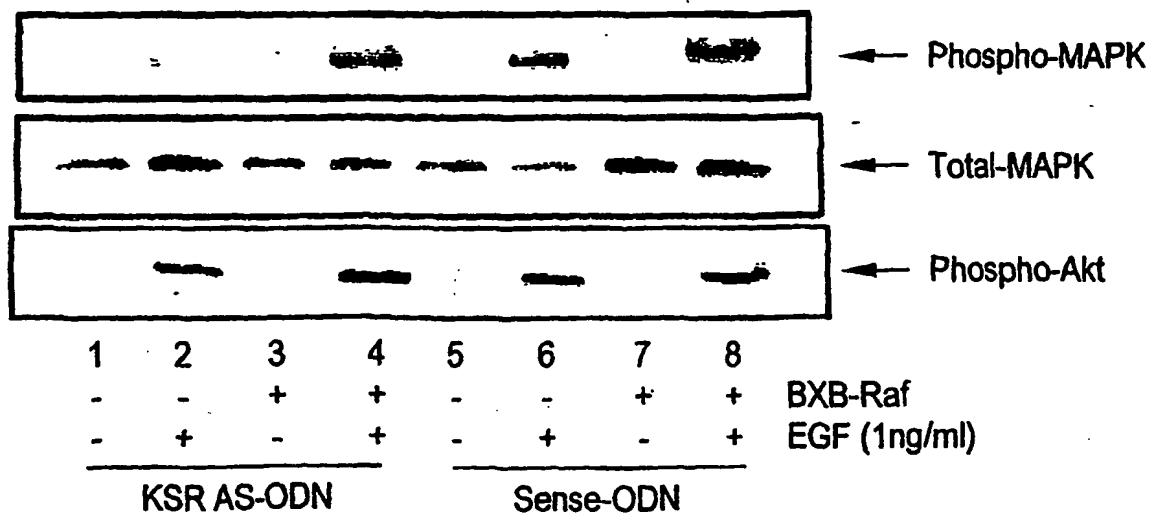
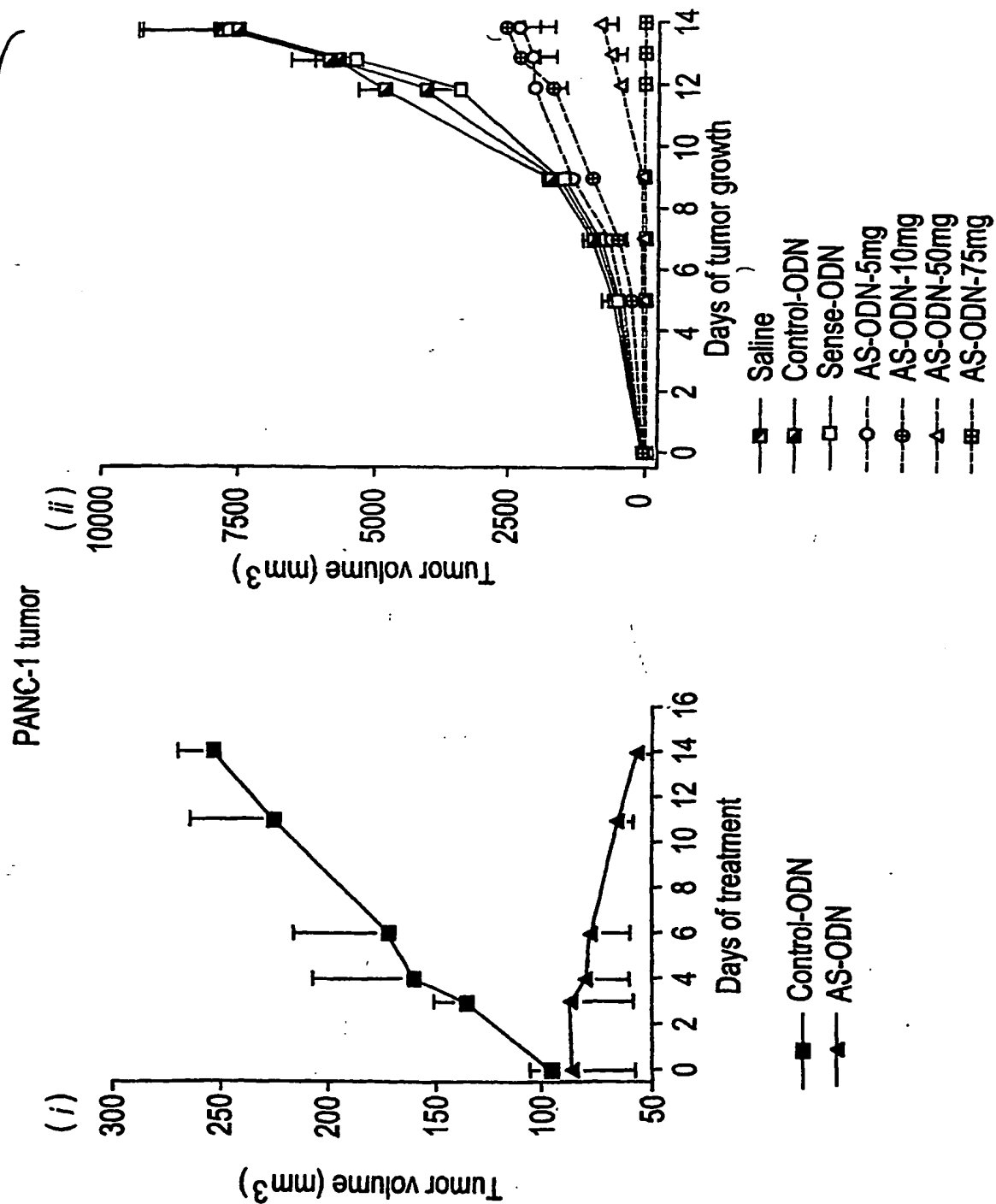


FIG. 9F



23/32

FIG. 10A



24/32

FIG. 10B

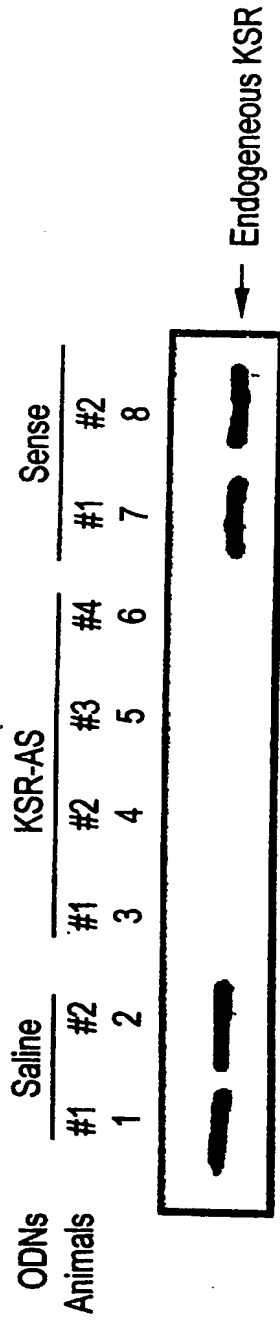
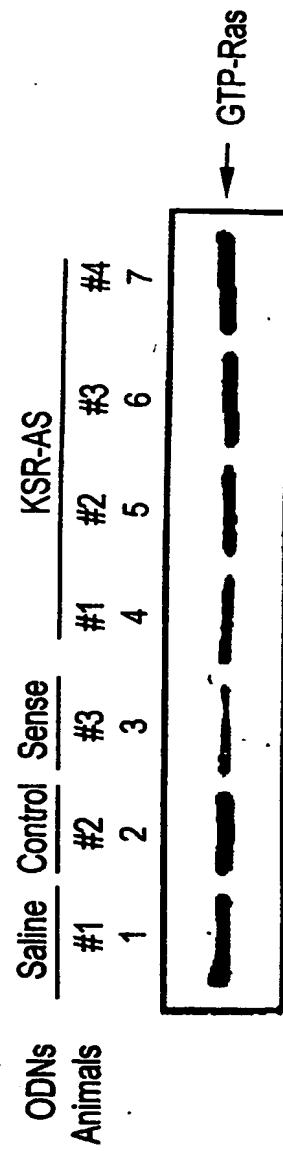


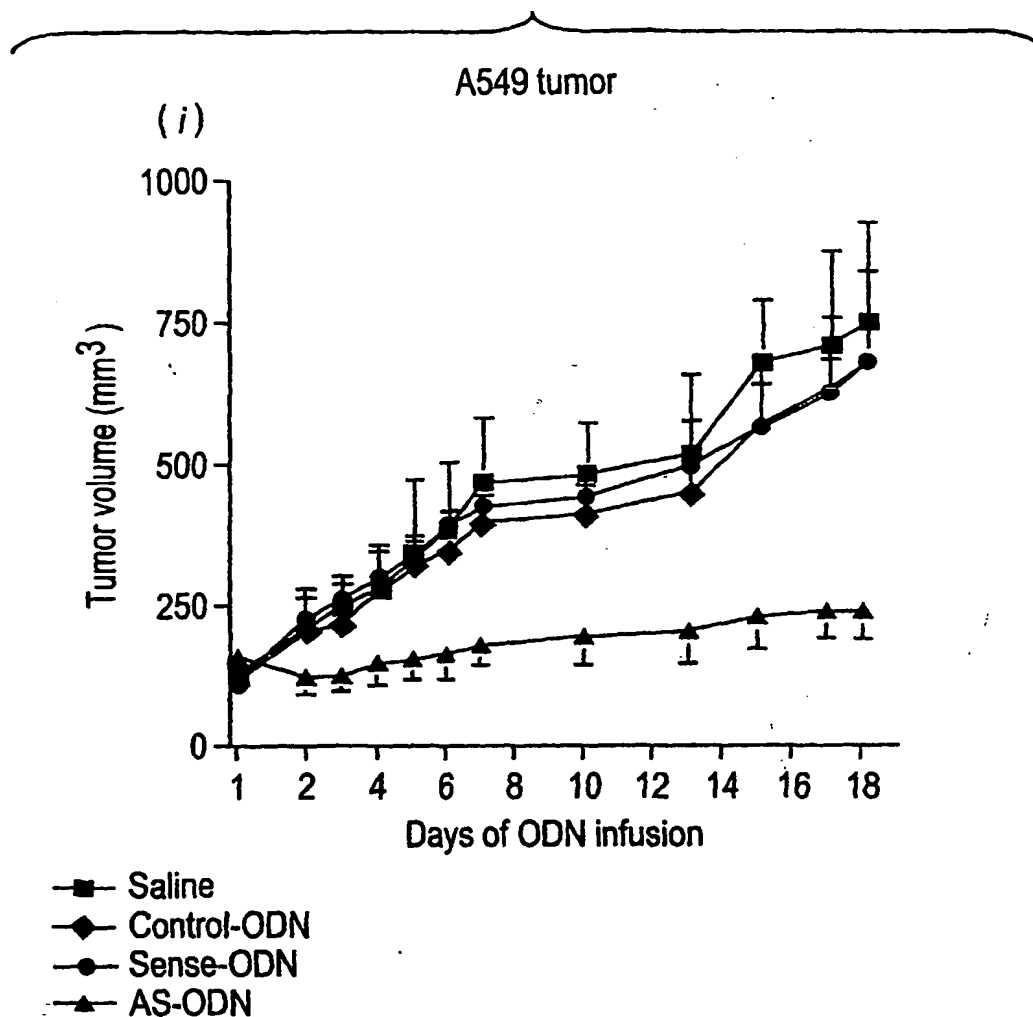
FIG. 10C





25/32

FIG. 10D



(ii)

Number of lung metastases foci  
(whole lung surface)

| Dose of infusion<br>(mg/ kg /Day) | Sense-ODNs | AS-ODN    | % inhibition |
|-----------------------------------|------------|-----------|--------------|
| 10                                | 7.4 ± 1.4  | 2.5 ± 0.6 | 65           |
| 25                                | 10.2 ± 1.8 | 1.4 ± 0.5 | 86           |

26/32

|       |   |     |  |
|-------|---|-----|--|
| ***** |   |     |  |
| Human | MGEK-EGGGGGDAAAAEGGAGAAASRALQQCGQLQ                   | 34  |  |
| Mouse | MDRAALRAAA K -- V                                     |     |  |
| CA1   |   |     |  |
| Human | <u>KLIDISTGSLRGLRTKCAVSNDLTQOEIRTLEAKLVRYICKQRQC</u>  | 79  |  |
| Mouse | S K Q S   |     |  |
| Human | KLSVAPGERTPELNSYPRFSDWLYTFNVRPEVVQEIPRODLTLDAL        | 124 |  |
| Mouse | I SD A I QE   |     |  |
| Human | LEMNEAKVKETLRRCGASGDECGRLQYALTCLPKVTGLGGEHKED         | 169 |  |
| Mouse | D A M W T E S Q M                                     |     |  |
| Human | SSWSSLDARRESGSGPSTDTLSAASLPWPPGSSQLGRAGNSAQGP         | 214 |  |
| Mouse | G I DS -L PM M S----- A T                             |     |  |
| Human | RSISVSALPASDSPTPSFSECLSDTCIPLHASGRLTPRALHSFIT         | 259 |  |
| Mouse | V GL S I  |     |  |
| CA2   |   |     |  |
| Human | <u>PPTTPQLRRHTKLKPPRTPPPPSRKVFOLLPSFPTLTRRKSHESQ</u>  | 304 |  |
| Mouse | A   |     |  |
| Human | LGNRIDDVSSMRFDLSHGSPQMVRDIGLSVTHRFSTKSWLSQVC          | 349 |  |
| Mouse | TP K E P L  |     |  |
| CA3   |   |     |  |
| Human | <u>HVCOKSMIFGVKCKHCRLKCHNKCTKEAPACRISFLPLTRLRTE</u>   | 394 |  |
| Mouse | N I A   |     |  |
| Human | SVPSDINNPDRAAEPHFGTLPKALTKEHPPAMNHLQSSSNPSS           | 439 |  |
| Mouse | -   |     |  |
| CA4   |   |     |  |
| Human | <u>TTSSTPSSPAPFPTSSNPSSATTPPNPSPGORDSRFNFPAAAYFIH</u> | 484 |  |
| Mouse | L S -----   |     |  |
| Human | <u>HROQFIFPDISAFAHAAPLPEAADGTRLDDQPKADVLEAHEAEAE</u>  | 529 |  |
| Mouse | ----- CSC SST S I GV                                  |     |  |
| Human | EPEAGKSEAEDDED-EVDDLPSRRPWRGPISRKASQTSVYLQEW          | 573 |  |
| Mouse | ED  |     |  |

Fig. 11-1

27/32

## FIG. 11-2

|       |                          |   |                             |
|-------|--------------------------|---|-----------------------------|
|       | I                        | II  |                             |
| Human | DDIPFEQVELGEP            | IGQGRVHRGRWHGEVAIRL                         | LEMDGHNQDH 618              |
| Mouse |                          |   |                             |
|       | III                      | IV  | V                           |
| Human | LKLFKKEVMNYRQ            | TRHENVVLFMGACMNPPHLAI                       | ITSFCKGRTLH 663             |
| Mouse |                          |   |                             |
|       |                          | VIa   | VIb                         |
| Human | SFVRDPKTS                | LDINKTRQIAQEI                               | IKGMGYLHAKGIVHKDLKSKNVF 708 |
| Mouse |                          |   |                             |
|       | VII                      |   | VIII                        |
| Human | YDNGKV                   | VITDFGLFGISGVVREERRENQLKLSHDWLCYLAPEIVR 753 |                             |
| Mouse |                          |   |                             |
|       |                          | IX  |                             |
| Human | EMTPGKDEDQLPFSKAADV      | AFGTVWYELQARDWPLKNQAAEASI 798               |                             |
| Mouse | I R                      |   | F H P L                     |
|       | X                        |   | XI                          |
| Human | WQIGSGEGMKRVLT           | SVSLGKEVSEILSACWAFDLQERPSFSLMD 843          |                             |
| Mouse | VR A                     | G   |                             |
|       |                          |   |                             |
| Human | MLEKLPKLNRRLSHPGHFWKSAEL |   | 867                         |
| Mouse | R                        | DINSSKVMRPRFERFGLGTLESGN                    |                             |
| Mouse | PKM                      |   |                             |

28/32

## FIG. 12A-1

```

1   GAATTCCCTC GGGGCTTTCC TGCCGAGGCG CCCGTGTCCC CGGGCTCCTC GCCTCGGCCC
61  CCAGCGGCCC CGATGCCGAG GCATGGATAG AGCGGCGTTG CGCGCGGCAG CGATGGGCGA
121 GAAAAAGGAG GCGGGCGGCG GGGGCGCCGC GGCGGACGGG GGCGCAGGGG CCGCCGTCAG
181 CCGGGCGCTG CAGCAGTGC GGCAGCTGCA GAAGCTCATC GATATCTCCA TCGGCAGTCT
241 GCGCGGGCTG CGCACCAAGT GCTCAGTGTC TAACGACCTC ACACAGCAGG AGATCCGGAC
301 CCTAGAGGCA AAGCTGGTGA AATACATTTG CAAGCAGCAG CAGAGCAAGC TTAGTGTGAC
361 CCCAAGCGAC AGGACCGCCG AGCTCAACAG CTACCCACGC TTCAGTGACT GGCTGTACAT
421 CTTCAACGTG AGGCCTGAGG TGGTGCAGGA GATCCCCCAA GAGCTCACAC TGGATGCTCT
481 GCTGGAGATG GACGAGGCCA AAGCCAAGGA GATGCTGCGG CGCTGGGGGG CCAGCACGGA
541 GGAGTGCAGC CGCCTACAGC AAGCCCTTAC CTGCCTTCGG AAGGTGACTG GCCTGGGAGG
601 GGAGCACAAA ATGGACTCAG GTTGGAGTTC AACAGATGCT CGAGACAGTA GCTTGGGGCC
661 TCCCATGGAC ATGCTTTCCT CGCTGGGCAG AGCGGGTGCC AGCACTCAGG GACCCCGTTC
721 CATCTCCGTG TCCGCCCTGC CTGCCTCAGA CTCTCCGGTC CCCGGCCTCA GTGAGGGCCT
781 CTCGGACTCC TGTATCCCTT TGCACACCAG CGGCCGGCTG ACCCCCCGGG CCCTGCACAG
841 CTTTCATCAG CCCCCTACCA CACCCAGCT ACGACGGCAC GCCAAGCTGA AGCCACCAAG
901 GACACCCCCA CCGCCAAGCC GCAAGGTCTT CCAGCTGCTC CCCAGCTTCC CCACACTCAC
961 ACGGAGCAAG TCCCACGAGT CCCAGCTGGG AAACCGAATC GACGACGTCA CCCCAGTGAA
1021 GTTTGAACTC CCTCATGGAT CCCCACAGCT GGTACGAAGG GATATCGGGC TCTCGGTGAC
1081 GCACAGGTTT TCCACAAAGT CATGGTTGTC ACAGGTGTGC AACGTGTGCC AGAAGAGCAT
1141 GATTTTGGC GTGAAGTGCA AACACTGCAG GTTAAATGTC CATAACAAGT GCACAAAGGA
1201 AGCTCCCGCC TGCAGGATCA CCTTCCTCCC ACTGGCCAGG CTTGCGAGGA CAGAGTCTGT
1261 CCCGTGAGAT ATCAACAACC CAGTGCACAG AGCAGCAGAG CCCCATTTTG GAACCCCTTC
1321 CAAGGCCCTG ACAAAGAAGG AGCACCCCTC AGCCATGAAC CTGGACTCCA GCAGCAATCC
1381 ATCCTCCACC ACGTCCTCCA CACCCTCATC GCCGGCACCT TTCCTGACCT CATCTAATCC
1441 CTCCAGTGCC ACCACGCCTC CCAACCCGTC ACCTGGCCAG CGGGAACAGCA GGTTCAGCTT
1501 CCCAGACATT TCAGCCTGTT CTCAGGCAGC CCCGCTGTCC AGCACAGCCG ACAGTACACG
1561 GCTCGACGAC CAGCCCAAAA CAGATGTGCT AGGTGTTTAC GAAGCAGAGG CTGAGGAGCC
1621 TGAGGCTGGC AAGTCAGAGG CAGAGGATGA CGAGGAGGAT GAGGTGGACG ACCTCCCCAG
1681 CTCCCGCCGG CCCTGGAGGG GCCCATCTC TCGAAAGGCC AGCCAGACCA GCGTTTACCT
1741 GCAAGAGTGG GACATCCCCT TTGAACAGGT GGAAGTGGG GAGCCCATG GACAGGGTCG
1801 CTGGGGCCGG GTGCACCGAG GCCGTTGGCA TGGCGAGGTG GCCATTGCG TGCTGGAGAT
1861 GGACGGCCAC AATCAGGACC ACCTGAAGCT GTTCAAGAAA GAGGTGATGA ACTACCGGCA
1921 GACGCGGCAT GAGAACGTGG TGCTCTTCAT GGGGGCCTGC ATGAACCCAC CTCACCTGGC
1981 CATTATCACC AGCTTCTGCA AGGGGCGGAC ATTGCATTCA TTCGTGAGGG ACCCCAAGAC
2041 GTCTCTGGAC ATCAATAAGA CTAGGCAGAT CGCCCAGGAG ATCATCAAGG GCATGGGTTA
2101 TCTTCATGCA AAAGGCATCG TGCACAAGGA CCTCAAGTCC AAGAATGTCT TCTATGACAA
2161 CGGCAAAGTG GTCATCACAG ACTTCGGGCT GTTTGGGATC TCGGGTGTGG TCCGAGAGGA
2221 ACGGCGCGAG AACCAACTGA AACTGTCACTA TGACTGGCTG TGCTACCTGG CCCCCGAGAT
2281 CGTACGAGAA ATGATCCCGG GGCGGGACGA GGACCAGCTG CCCTTCTCCA AAGCAGCCGA
2341 TGCTATGCA TTCGGGACTG TGTGGTATGA ACTACAGGCA AGAGACTGGC CCTTTAAGCA
2401 CCAGCCTGCT GAGGCCTTGA TCTGGCAGAT TGGAAGTGGG GAAGGAGTAC GGCGCGTCTT
2461 GGCATCCGTC AGCCTGGGGA AGGAAGTCGG CGAGATCCTG TCTGCCTGCT GGGCTTTTGA
2521 TCTGCAGGAG AGACCCAGCT TCAGCCTGCT GATGGACATG CTGGAGAGGC TGCCCAAGCT
2581 GAACCGGCGG CTCTCCACCC CTGGGCACTT TTGGAAGTCG GCTGACATTA ACAGCAGCAA
2641 AGTCATGCCC CGCTTTGAAA GGTTTGGCCT GGGGACCCCTG GAGTCCGGTA ATCCAAAGAT

```

29/32

## FIG. 12A-2

```
2701 GTAGCCAGCC CTGCACGTTC ATGCAGAGAG TGTCTTCCTT TCGAAAACAT GATCACGAAA
2761 CATGCAGACC ACCACCTCAA GGAATCAGAA GCATTGCATC CCAAGCTGCG GACTGGGAGC
2821 GTGTCTCCTC CCTAAAGGAC GTGCGTGCGT GCGTGCGTGC GTGCGTGCGT GCGTGCGTCA
2881 CCAAGGTGTG TGGAGCTCAG GATCGCAGCC ATACACGCAA CTCCAGATGA TACCACTACC
2941 GCCAGTGTTT ACACAGAGGT TTCTGCCTGG CAAGCTTGGT ATTTTACAGT AGGTGAAGAT
3001 CATTCTGCAG AAGGGTGCTG GCACAGTGGA GCAGCACGGA TGTCCCCAGC CCCCCTTCTG
3061 GAAGACCCTA CAGCTGTGAG AGGCCAGGG TTGAGCCAGA TGAAAGAAAA GCTGCGTGGG
3121 TGTGGGCTGT ACCCGGAAAA GGGCAGGTGG CAGGAGGTTT GCCTTGGCCT GTGCTTGGGC
3181 CGAGAACCAC ACTAAGGAGC AGCAGCCTGA GTTAGGAATC TATCTGGATT ACGGGGATCA
3241 GAGTTCCTGG AGAGTGGACT CAGTTTCTGC TCTGATCCAG GCCTGTTGTG CTTTTTTTTT
3301 TTCCCCCTTA AAAAAAAAAA AGTACAGACA GAATCTCAGC GGCTTCTAGA CTGATCTGAT
3361 GGATCTTAGC CCGGCTTCTA CTGCGGGGGG GAGGGGGGGA GGGATAGCCA CATATCTGTG
3421 GAGACACCCA CTTCTTTATC TGAGGCCTCC AGGTAGGCAC AAAGGCTGTG GAACTCAGCC
3481 TCTATCATCA GACACCCCCC CCCAATGCCT CATTGACCCC CTTCCCCCAG AGCCAAGGGC
3541 TAGCCCATCG GGTGTGTGTA CAGTAAGTTC TTGGTGAAGG AGAACAGGGA CGTTGGCAGA
3601 AGCAGTTTGC AGTGGCCCTA GCATCTTAAA ACCCATTTGTC TGTCACACCA GAAGGTTCTA
3661 GACCTACCAC CACTTCCCTT CCCCATCTCA TGGAAACCTT TTAGCCCATT CTGACCCCTG
3721 TGTGTGCTCT GAGCTCAGAT CGGGTTATGA GACCGCCCAG GCACATCAGT CAGGGAGGCT
3781 CTGATGTGAG CCGCAGACCT CTGTGTTTAT TCCTATGAGC TGGAGGGGCT GGACTGGGTG
3841 GGGTCAGATG TGCTTGGCAG GAACTGTCAG CTGCTGAGCA GGGTGGTCCC TGAGCGGAGG
3901 ATAAGCAGCA TCAGACTCCA CAACCAGAGG AAGAAAGAAA TGGGGATGGA GCGGAGACCC
3961 ACGGGCTGAG TCCCGCTGTG GAGTGGCCTT GCAGCTCCCT CTCAGTTAAA ACTCCCAGTA
4021 AAGCCACAGT TCTCCGAGCA CCCAAGTCTG CTCCAGCCGT CTCTTAAAAC AGGCCACTCT
4081 CTGAGAAGGA ATTC
```

30/32

## FIG. 12B-1

```
1   GCGAAGCTGG TCCGTTACAT TTGTAAGCAG AGGCAGTGCA AGCTGAGCGT GGCTCCCGGT
61  GAGAGGACCC CAGAGCTCAA CAGCTACCCC CGCTTCAGCG ACTGGCTGTA CACTTTCAAC
121 GTGAGGCCGG AGGTGGTGCA GGAGATCCCC CGAGACCTCA CGCTGGATGC CCTGCTGGAG
181 ATGAATGAGG CCAAGGTGAA GGAGACGCTG CGGCGCTGTG GGGCCAGCGG GGATGAGTGT
241 GGCCGTCTGC AGTATGCCCT CACCTGCCTG CGGAAGGTGA CAGGCCTGGC TTCATCACCC
301 CGCCACCCAC ACCCCAGCTG CGACGGCACA CCAAGCTGAA GCCACCACGG ACGCCCCCCC
361 CACCCAGCCG CAAGGTCTTC CAGCTGCTGC CCAGCTTCCC CACACTCACC CGGAGCAAGT
421 CCCATGAGTC TCAGCTGGGG AACCGCATTG ATGACGTCTC CTCGATGAGG TGAGTTGGGA
481 GCACGTTCTT GCACGTGGCT ATGCTGTGGG GCCTCTCTCA TGAGTCAGAG CGGAGGGAGA
541 CAGCTGTGCC TCTGGAGTCT GCTTTTAATT GTCTGGAAAT GCAGAGATGT CTGGTTTTTG
601 CCTGAGCAA ATAGGAGTTT ATTTTGTAC TATCCCGAGC TGGCTAAGGA GAGTCACGTA
661 GCTGTGGGCG GGGTCTTGGG GATGAGGAGG GGTACAGCAG GCAGGGACTA TGCTGAAAGT
721 GAGCTGGCTG TAGGAACCCC AGGGAGGCAC AGGGGGAGCA TGAAGAGGAG CTACACTTCC
781 CTCCCTTAGT GCCCGGGCAG AAACCTCCAG GGCCCTTCAC AGAACCTTGG AGGAACATTC
841 AACACCCCCA TCTCTAGGAC AGCCCCAGCC TTGTCATCCT CCAATTGCTG TGGTAACACG
901 GGGACTGGAG CAGTGAGATT ATTAGGCCTT CAGGGCCAGT GTCTCCATGC AGATCAGATG
961 GAGGCGGTGC TTGGCACATA CACCACCTCA CTGCCCATGC CCCAGAAAGT TGGTGCAGAT
1021 CATAAGGTGG CTTTGGGGC TAATTGATTG AAGTTCCAAC ATAGTCTGTT TCTCCTAGGC
1081 TGGTAGCTGG CACCTTTGGC CCCATGTGTT TTTTAATTAT TTTTCTTTT GAGACGAAAT
1141 CTCGCTCTAT CACCAGGCT GAAGTGCAGT AGTGCAATCT CAGCTCACTG CAGCCTCTGC
1201 CTCCCGGGTT CAAGCAATTC TCCTGCCTCA GCCTCCCGAG TAGCCAGGAT TAAAGGTGCC
1261 TGCCACCACA CATGGCTAAT TTTTGTATTT TTAATAGAGA CGGGGTTTCA CCATGTTAGC
1321 CAGGCTGGTC TCAAATCCT GACCTCAGGT GATCTTCCTG CCTCAGCCTC CCAAAGTGCT
1381 GGGATTACAG GTGTGAGCCA CTGCGCCCAG TCATGCCCCAT GTGTTTTGGT GGTCTTGGCT
1441 GCTGATGGGT GGGGTGAGCC CCAGGAGGAA GTTGGGACAA GTCAACCTCA TGGCAGATGT
1501 GCCAGGGAGA GCTGCGGGTG AGATAGATTG TTCCTATCCC CCTCTCCTTG ATGTGGGAGG
1561 ACTCAGTACC TCCAGCACAC CCTTCTCATG GAGGTTGGTT ATGTGGTACT TGGCCTCAAG
1621 TGAACCAGCA CTTCATGAGT CCAGCTTTGT GCTAGACCAG CACTTGGGAT TGAGGGGGGC
1681 AGTGGCCACC CTCGGGGGAC CTTCTGACTC AGAGGACATG AGATGGCCAC ACTCGAGCAC
1741 TGTGTTCTTG ACCTTTCTGG GTCACAGGTC ACCTTGATGA TTGGATGAAA GTCTTAGATC
1801 TTCTTTCCAG AGAAAAGTCT ACAACATTCT ACTGAACCAG TCCAGAGGGT TCCCGGACCC
1861 CCGAAGCCCA CCCATGGGCT GGCTCTGGGA GGCAATGGCG CTGAGTATGG GGGCATCTCT
1921 CGCATGGATC CCCACAGATG GTACGGAGGG ATATCGGGCT GTCGGTGACG CACAGGTTCT
1981 CCACCAAGTC CTGGCTGTCT CAGGTCTGCC ACGTGTGCCA GAAGAGCATG ATATTGGAG
2041 TGAAGTGCAA GCATTGCAGG TTGAAGTGTC ACAACAAATG TACCAAAGAA GCCCCTGCCT
2101 GTAGAATATC CTTCTGCCA CTAACCTCGG TTCGGAGGAC AGAATCTGTC CCCTCGGACA
2161 TCAACAACCC GGTGGACAGA GCAGCCGAAC CCCATTTTGG AACCTCCCC AAAGCACTGA
2221 CAAAGAAGGA GCACCCTCCG GCCATGAATC ACCTGGACTC CAGCAGCAAC CCTTCCTCCA
2281 CCACCTCCTC CACACCCTCC TCACCGGCGC CTTCCCCGAC ATCATCCAAC CCATCCAGCG
```

31/32

## FIG. 12B-2

2341 CCACCACGCC CCCCAACCCC TCACCTGGCC AGCGGGACAG CAGGTTCAAC TTCCCAGCTG  
2401 CCTACTTCAT TCATCATAGA CAGCAGTTTA TCTTTCCAGA CATTTTCAGCC TTTGCACACG  
2461 CAGCCCCGCT CCCTGAAGCT GCCGACGGTA CCCGGCTCGA TGACCAGCCG AAAGCAGATG  
2521 TGTTGGAAGC TCACGAAGCG GAGGCTGAGG AGCCAGAGGC TGGCAAGTCA GAGGCAGAAG  
2581 ACGATGAGGA CGAGGTGGAC GACTTGCCGA GCTCTCGCCG GCCCTGGCCG GGCCCCATCT  
2641 CTCGCAAGGC CAGCCAGACC AGCGTGTACC TGCAGGAGTG GGACATCCCC TTCGAGCAGG  
2701 TAGAGCTGGG CGAGCCCATC GGGCAGGGCC GCTGGGGCCG GGTGCACCGC GGCCGCTGGC  
2761 ATGGCGAGGT GGCCATTTCG CTGCTGGAGA TGGACGGCCA CAACCAGGAC CACCTGAAGC  
2821 TCTTCAAGAA AGAGGTGATG AACTACCGGC AGACGCGGCA TGAGAACGTG GTGCTCTTCA  
2881 TGGGGGCGCTG CATGAACCCG CCCACCTGG CCATTATCAC CAGCTTCTGC AAGGGGCGGA  
2941 CGTTGCACTC GTTTGTGAGG GACCCCAAGA CGTCTCTGGA CATCAACAAG ACGAGGCAAA  
3001 TCGCTCAGGA GATCATCAAG GGCATGGGAT ATCTTCATGC CAAGGGCATC GTACACAAAG  
3061 ATCTCAAATC TAAGAACGTC TTCTATGACA ACGGCAAGGT GGTCAACACA GACTTCGGGC  
3121 TGTTTGGGAT CTCAGGCGTG GTCCGAGAGG GACGGCGTGA GAACCAGCTA AAGCTGTCCC  
3181 ACGACTGGCT GTGCTATCTG GCCCCTGAGA TTGTACGCGA GATGACCCCC GGGAAGGACG  
3241 AGGATCAGCT GCCATTCTCC AAAGCTGCTG ATGTCTATGC ATTTGGGACT GTTTGGTATG  
3301 AGCTGCAAGC AAGAGACTGG CCCTTGAAGA ACCAGGCTGC AGAGGCATCC ATCTGGCAGA  
3361 TTGGAAGCGG GGAAGGAATG AAGCGTGTCC TGACTTCTGT CAGCTTGGGG AAGGAAGTCA  
3421 GTGAGATCCT GTCGGCCTGC TGGGCTTTTCG ACCTGCAGGA GAGACCCAGC TTCAGCCTGC  
3481 TGATGGACAT GCTGGAGAAA CTTCCCAAGC TGAACCGGCG GCTCTCCAC CCTGGACACT  
3541 TCTGGAAGTC AGCTGAGTTG TAGGCCTGGC TGCCTTGCAT GCACCAGGGG CTTTCTTCT  
3601 CCTAATCAAC AACTCAGCAC CGTGACTTCT GCTAAAATGC AAAATGAGAT GCGGGCACTA  
3661 ACCCAGGGGA TGCCACCTCT GCTGCTCCAG TCGTCTCTCT CGAGGCTACT TCTTTTGCTT  
3721 TGTTTTAAAA ACTGGCCCTC TGCCCTCTCC ACGTGGCCTG CATATGCCCA AG

32/32

FIG. 13A

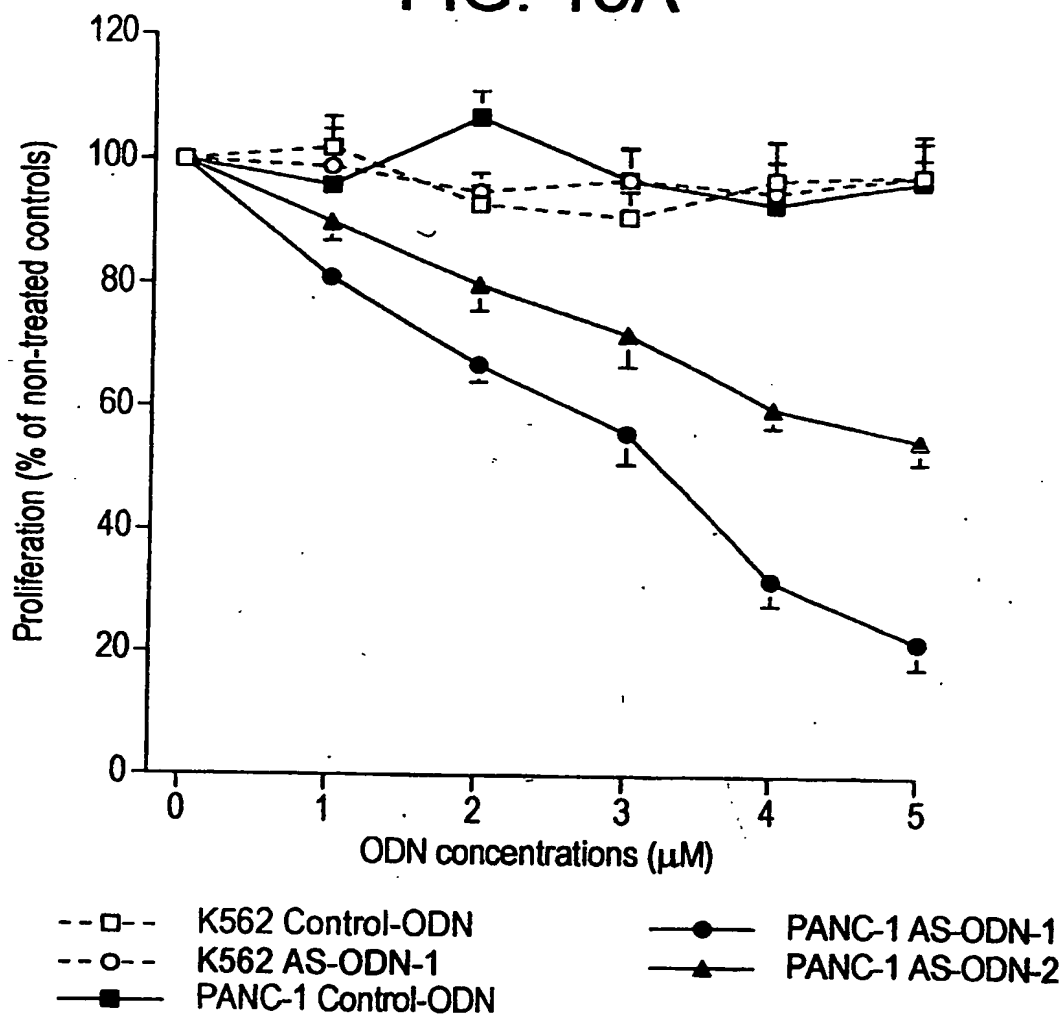


FIG. 13B

